

EFP to fiber system A4K

(4K-SDI, Return 3G/HD-SDI, Return CVBS, Bidi balanced audio, Data, Ethernet, Tally,)



Description:

The EFP to fiber system A4K with 4K-SDI, Return 3G/HD/SD-SDI video & Tally & Bidi Balanced Audio & Return CVBS & 100M Ethernet Multiplexer that allow transport of pathological patterns high-definition video and CD audio high sampling rate 58khz over standard fiber optic networks. Only one dual fiber cable is needed to transmit all required signals for a remote camera and it's operator in both directions over kilometers.

The Live Connector Remote Camera Interface System is designed to handle news, sports, and other day-to-day remote interfacing needs with ease. Live Connector offers an advanced portable, single-mode optical interface for ENG and OB vans, SNG vehicles, and production trailers. Features include 3G/HD/SD-SDI video path, on-air and cue audio, intercom, remote, and Ethernet data. Uses two single-mode fibers and models are available with a variety of optical connectors. Live Connector is an ideal infrastructure solution for airports, studio complexes, arenas, and campus environments.

Benefits of the EFP to fiber system A5: (Item No.: EFP-A5)

- 1) 4x 3G-SDI,
- 2) 1x Return 3G-SDI
- 3) 1x Genlock
- 4) 2x Balanced audio, bidi
- 5) 1x RS422 data
- 6) 1x RS485 data
- 7) 1x RS232 data
- 8) 1x 10/100M Ethernet
- 9) 2x Tally
- 10) Dual ST Connection

Features:

- 1) Transmit 3G HD-SDI video and embedded audio over one fiber.
- 2) Support 270Mb/s to 2.97Gbit/s.
- 3) Broadcast Signal Quality, Compliance with SMPTE 424M, SMPTE 292M and SMPTE 259M.
- 4) Immune to pathological patterns over the entire link budget and operating temperature range.
- 5) Automatic cable EQ (Belden 1694A cable) to 100 meters at 3G HD-SDI transmission.
- 6) LED indicators.
- 7) Supports hot swapping and hot plugging.

Typical project:



Technical Performance list:

| | | |
|------------------------------|---|-----------------|
| Product Name: | EFP to Fiber System A4K | |
| Product Model: | Transmitter: EFP-A4K-T, Receiver: EFP-A4K-R | |
| Optical Fiber: | Dual fibers, ST connector, Compatible with multimode or single mode fiber | |
| Extend distance: | Up to 15km via single mode fiber optic cable | |
| Working Environment: | Working Temperature: 0°C ~ +75°C; Relative Humidity: 0 ~ 95% (no cold condensation) | |
| Dimension: | 19" 1U rack mount on both end | |
| Warranty: | 2 Years warranty | |
| Packing in the box: | 1x Transmitter, 1x Receiver, 2x Power adaptor, | |
| Optical Performance: | | |
| Fiber Connector: | Transmitter: 2x ST | Receiver: 2x ST |
| Working Wavelength: | 1310nm/1550nm | |
| Return Loss: | > 15dB | |
| Shake: | < 0.2UI | |
| Electric Performance: | | |
| Power adaptor: | AC 90-260V input, DC 12V1A output | |
| MTBF: | > 100000 Hours | |